

**PDF's**

Fractions to Decimals

$$\frac{4}{5} \rightarrow 4 \div 5 \rightarrow 5 \overline{)4} \rightarrow .80 \rightarrow 80\%$$

$$\frac{3}{4} \rightarrow 3 \div 4 \rightarrow 4 \overline{)3} \rightarrow .75 \rightarrow 75\%$$

Divide the *Part* by the *Whole*  
*numerator* ÷ *denominator*

*Decimals to Fractions*

*Remove “.”*  
*Put number over the*  
*appropriate multiple of ten.*

*Decimal to Percent*

*Move decimal “.” two places*  
*the “Right” (Always)*

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***Fraction means:***

***Part*** out of the ***Whole***

$$\frac{\textit{part}}{\textit{whole}} \rightarrow \frac{\textit{numerator}}{\textit{denominator}}$$

$$\frac{2}{4} * \frac{25}{25} = \frac{50}{100} = 50\%$$

$$\frac{7}{20} * \frac{5}{5} = \frac{35}{100} = 20\%$$

***Decimal to %***

***% to Decimal***

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***Decimal to %***

***% to Decimal***

### Decimal—Get the “.”

$$.1 \rightarrow \frac{1}{10} \rightarrow \text{tenths} \quad .1 \rightarrow \frac{1}{10} \rightarrow \text{tenths}$$

$$.01 \rightarrow \frac{1}{100} \rightarrow \text{hundreth}$$

$$.001 \rightarrow \frac{1}{1000} \rightarrow \text{thousandth}$$

$$3\% \rightarrow .03$$

$$35\% \rightarrow .35$$

$$355\% \rightarrow 3.55$$

**Drop % sign &  
move the point(.)  
2 places to the Left  
Always**

$$.35 \text{ *per cent* } \rightarrow 35\%$$

$$35\% \text{ *go away* } \rightarrow .35$$

**Fraction  $\rightarrow$  Decimal  
Decimal  $\rightarrow$  Fraction (over)**

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***Percent means: out of 100***

$$35\% = \frac{35}{100} \quad \text{then simplify}$$

***Percent means per hundred***

$$4\% = \frac{4}{100} = \frac{2}{50} = \frac{1}{25}$$

***Fraction  $\rightarrow$  Percent %***

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***Percent means per hundred***

$$4\% = \frac{4}{100} = \frac{2}{50} = \frac{1}{25}$$

***Fraction  $\rightarrow$  Percent %***